

## The SmartFix System for Changing Mixing Tools Significantly Reduces Maintenance Costs

Tool change is part of the normal routine for mixer operators. The mixing tool does most of the work during raw material preparation, and its condition has a major influence on the quality of the end product. Operators need to change high-wear rotor tool parts on a regular basis. Eirich has developed a new system for changing beaters in production mixers which reduces downtime by a substantial margin and cuts cost. It is also ideally suited for low-cost retrofitting.

Changing mixing tools or mixing tool parts in a mixer used to take as long as several hours. The tension had to be released on all beaters mounted on the rotor before worn beaters could be replaced using muscle power and prying tools. Eirich has now developed a quick-change system for the beaters. Replacement of the beaters is now a simple procedure and only takes a few minutes. Users who have migrated to the new system report a drastic reduction in downtime and maintenance costs.

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**Fig. New SmartFix system – replacement of the beaters takes now only a few minutes (Source: Eirich)**

One very clever feature is the ability to easily swap beaters that have wear reserves with beaters which are located in zones with greater stress and show higher wear, making maximum use of the material. Migrating to the new system is easy, because there is no need to replace the rotor or purchase a new rotor shaft. In most cases, only the tool support disks have to be replaced.

The ability to continue using existing spare parts is a big advantage.

The new SmartFix system, for which a patent application has been filed, is available as a retrofit or conversion kit for all Eirich production mixers with capacities of 75 l or more. Eirich customers in all industries now have an additional way of increasing production efficiency and profitability.



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